

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number  
**WO 2005/030736 A1**

(51) International Patent Classification<sup>7</sup>: **C07D 257/04**,  
271/10, 277/24, 271/06, 213/50, 285/12, C07C 317/08,  
C07D 249/08, 275/06, A01N 43/713

(74) Agents: **DE GREGORI, Antonella et al.**; Ing. Barzano  
& Zanardo, Milano S.p.A., Via Borgonuovo 10, I-20121  
Milano (IT).

(21) International Application Number:  
PCT/EP2004/010653

(81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(22) International Filing Date:  
21 September 2004 (21.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
MI2003A 001855  
29 September 2003 (29.09.2003) IT

(84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FR,  
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **ISAGRO  
RICERCA S.R.L.** [IT/IT]; Via Felice Casati 20, I-20124  
Milano (IT).

(72) Inventors; and

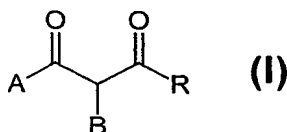
(75) Inventors/Applicants (*for US only*): **MEAZZA, Gio-  
vanni** [IT/IT]; Via Pastore 30, I-21047 Saronno (Varese)  
(IT). **PARAVIDINO, Piero** [IT/IT]; Via Campo Sportivo  
10, I-20018 Sedriano, Milano (IT). **BETTARINI, Franco**  
[IT/IT]; Via Cadore, 4/B, I-28100 Novara (IT). **FORGIA,  
Daniele** [IT/IT]; Via Cascina Fiorita 2, I-28060 Casaleggio  
(Novara) (IT). **FORNARA, Luca** [IT/IT]; Via Toscanini  
2, I-20070 Cerro al Lambro, Milano (IT).

**Published:**

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

*For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: DERIVATIVES OF 1,3-DIONES HAVING A HERBICIDAL ACTIVITY



(57) Abstract: A description follows of 1,3-diones having general formula (I): together with their use as herbicides for the control of weeds in agricultural crops.

WO 2005/030736 A1

**THIS PAGE BLANK (USPTO)**